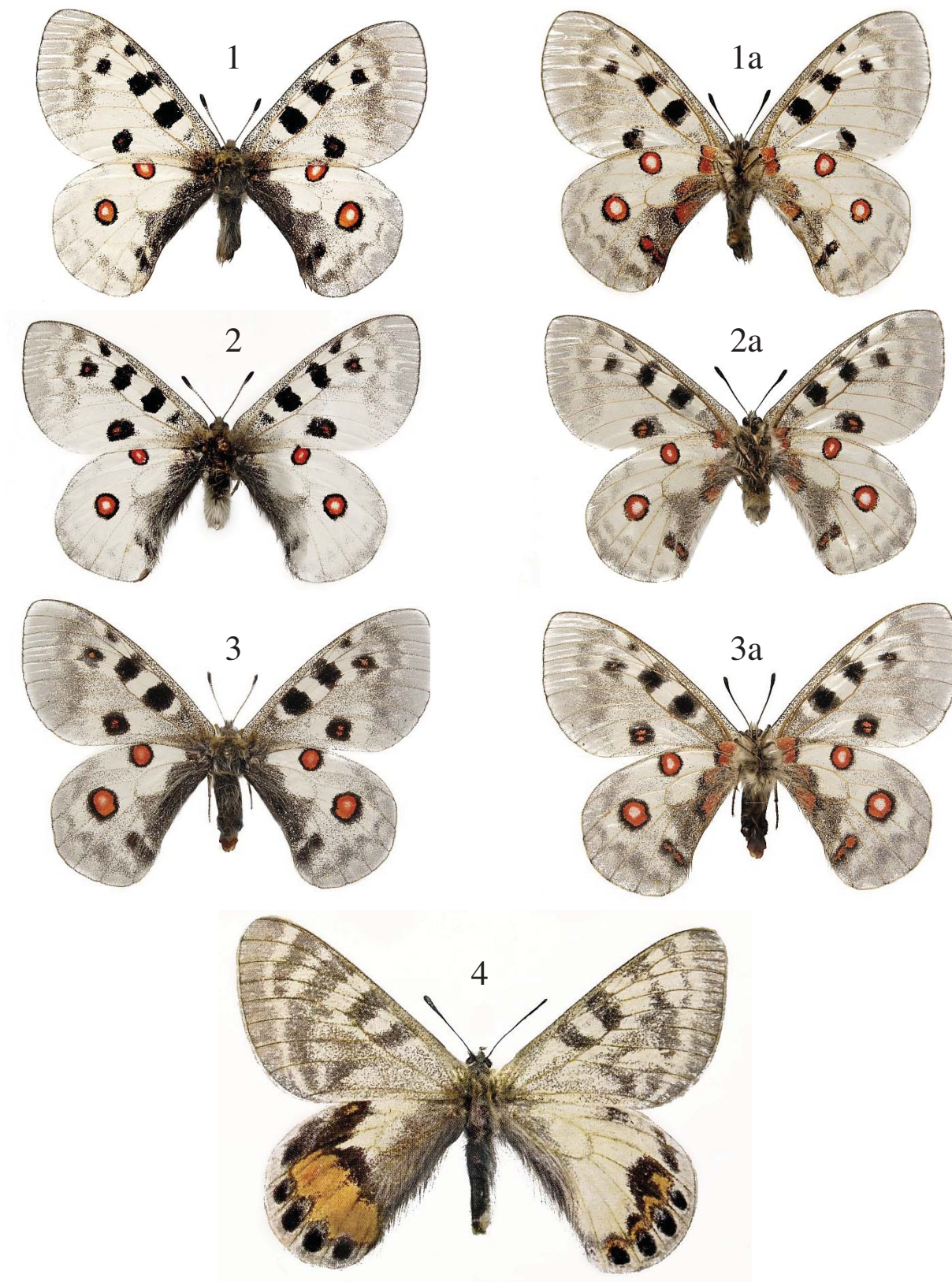


## Colour plate 1



1-3: *Parnassius apollo niesiolowskii* KRZYWICKI, 1963, trans. ad ab. *pseudonomion* CHRISTOPH, 1873, dorsal and ventral view.

1,1a: Gynandromorph Tatry, Dol. Kościeliska, Żar 1500m, 19.VII. 1938, leg. A. RUDKOWSKI.

2, 2a: ♂, Tatry, Dol. Kościeliska, Żar 1500m, 25.VII. 1926, leg. A. RUDKOWSKI.

3, 3a: ♀, Tatry, Dol. Kościeliska, Żar 1500m, 12.VIII. 1927, leg. A. RUDKOWSKI.

4: *Parnassius autocrator* (AVINOFF, 1913), specimen according to KOTZSCH (1936/1937: Tafel 1., Fig.5).

Example of a bilateral gynandromorph.

(Photos: J. J. DĄBROWSKI Junior)

## Colour plate 2



Fig. 2: *Anthyllis vulneraria microcephala* (WILLK.), hostplant of *Polyommatus (Plebicula) sagratrox* (AISTLEITNER, 1986)

Fig. 3: Pair of *Polyommatus (Plebicula) sagratrox* (AISTLEITNER, 1986) in copula on their hostplant [*Anthyllis vulneraria microcephala* (WILLK.)]

### Farbtafel 3

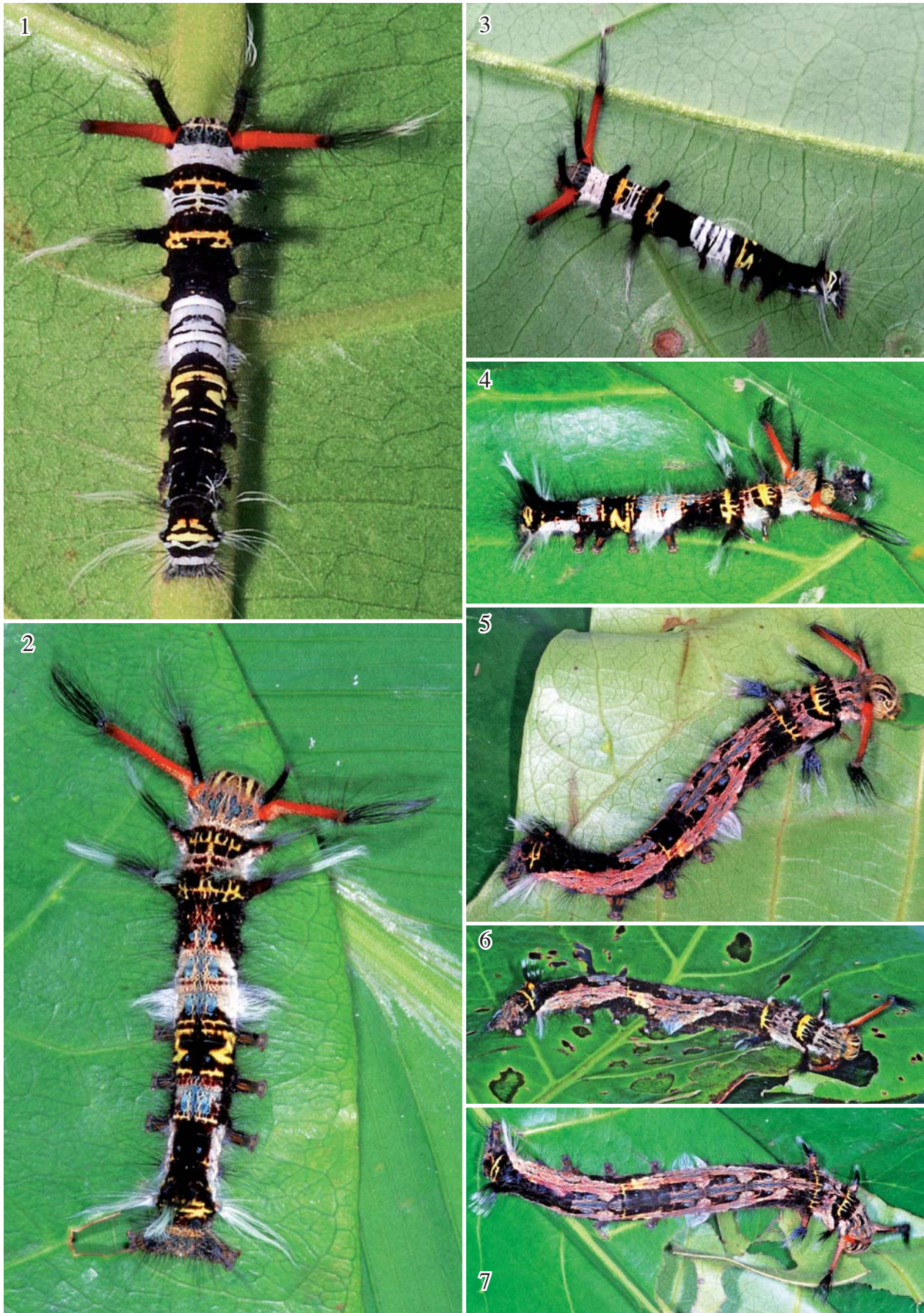


Abb. 1-7: Raupen von *Kunugia divaricata* (MOORE, 1884), (1) L3-Raupe; (2) L4-Stadium; (3) L3; (4) L4, (5) frühes L5-Stadium; (6, 7) spätes L5-Stadium lateral, etwa 2 Tage vor der Verpuppung.

## Farbtafel 4



Abb. 1, 2: *Kunugia divaricata* (MOORE, 1884), Exuvie unmittelbar nach dem Schlupf des Falters, (1) Ventralansicht, (2) Dorsalan-sicht.

Abb. 3: Frisch geschlüpfte ♀ von *Kunugia divaricata* (MOORE, 1884), Khao Lak, Phang Nga Provinz S-Thailand, 16.VI.2010.

Abb. 4: *Metanastria hyrtaca* (CRAMER, 1779), Khao Lak, Unteres Thong Pring Tal 16.VI.2010.

Abb. 5: *Gastropacha xenapates* TAMS, 1935, Khao Lak, Unteres Thong Pring Tal 12.VI.2010.

Alle Fotos von den Autoren

## Colour plate 5

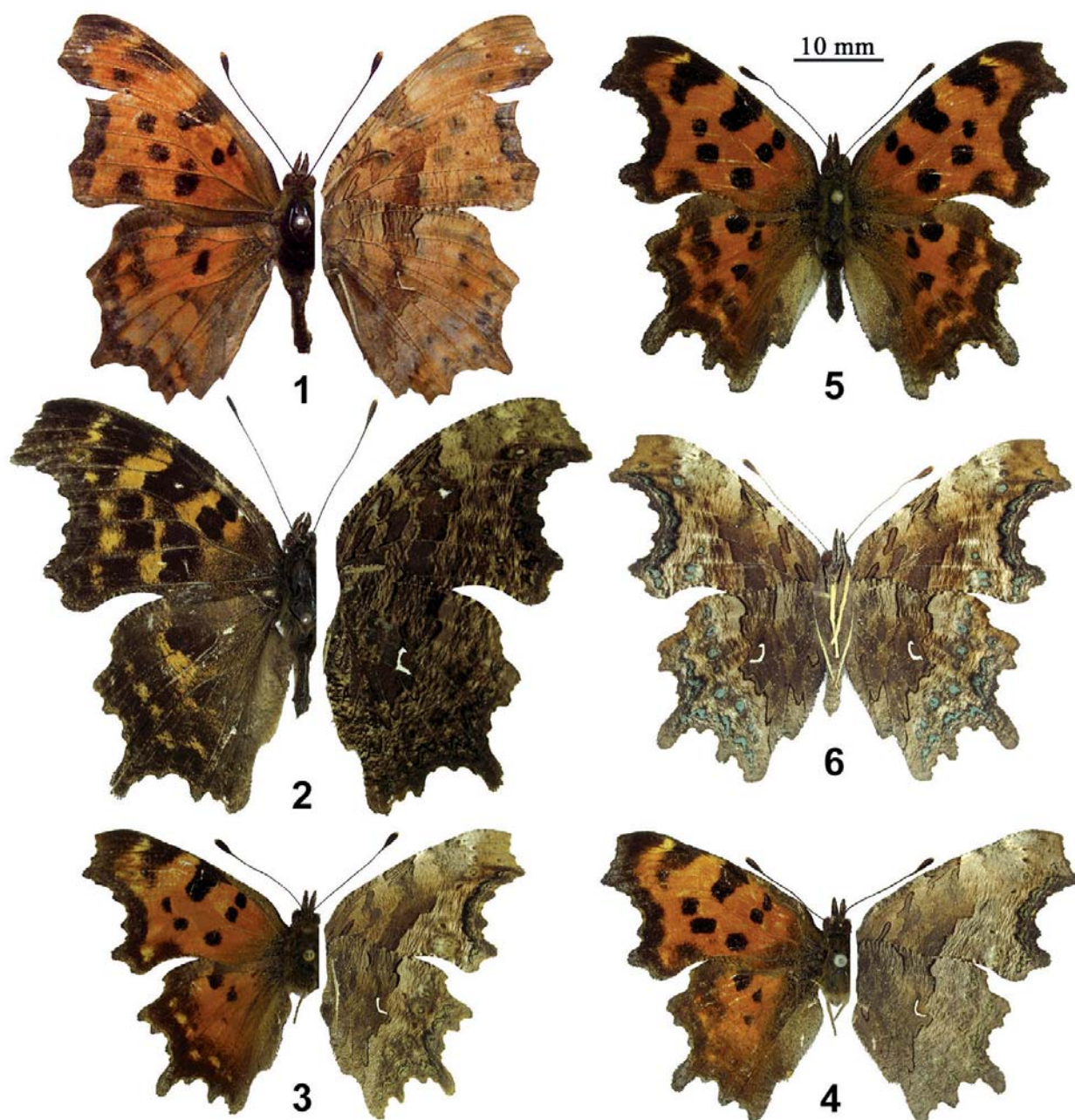


Fig. 1: *Polygonia extensa* (LEECH, 1892), ♂, Mt. Huang, Anhui, dorsal (left half), ventral (right half).

Fig. 2: *Polygonia gigantea* (LEECH, 1890), ♂, Sichuan, dorsal (left half), ventral (right half).

Fig. 3: *Polygonia c-album agnicula* (MOORE, 1872), ♂, Zhagyab, Tibet, dorsal (left half), ventral (right half).

Fig. 4: *Polygonia c-album agnicula* (MOORE, 1872), ♀, Kangding, Sichuan, dorsal (left half), ventral (right half).

Fig. 5, 6: *Polygonia extensa gongga* LANG **subspec. nov.**, holotype ♂, Kangding, Sichuan, dorsal, ventral.

## Colour plate 6

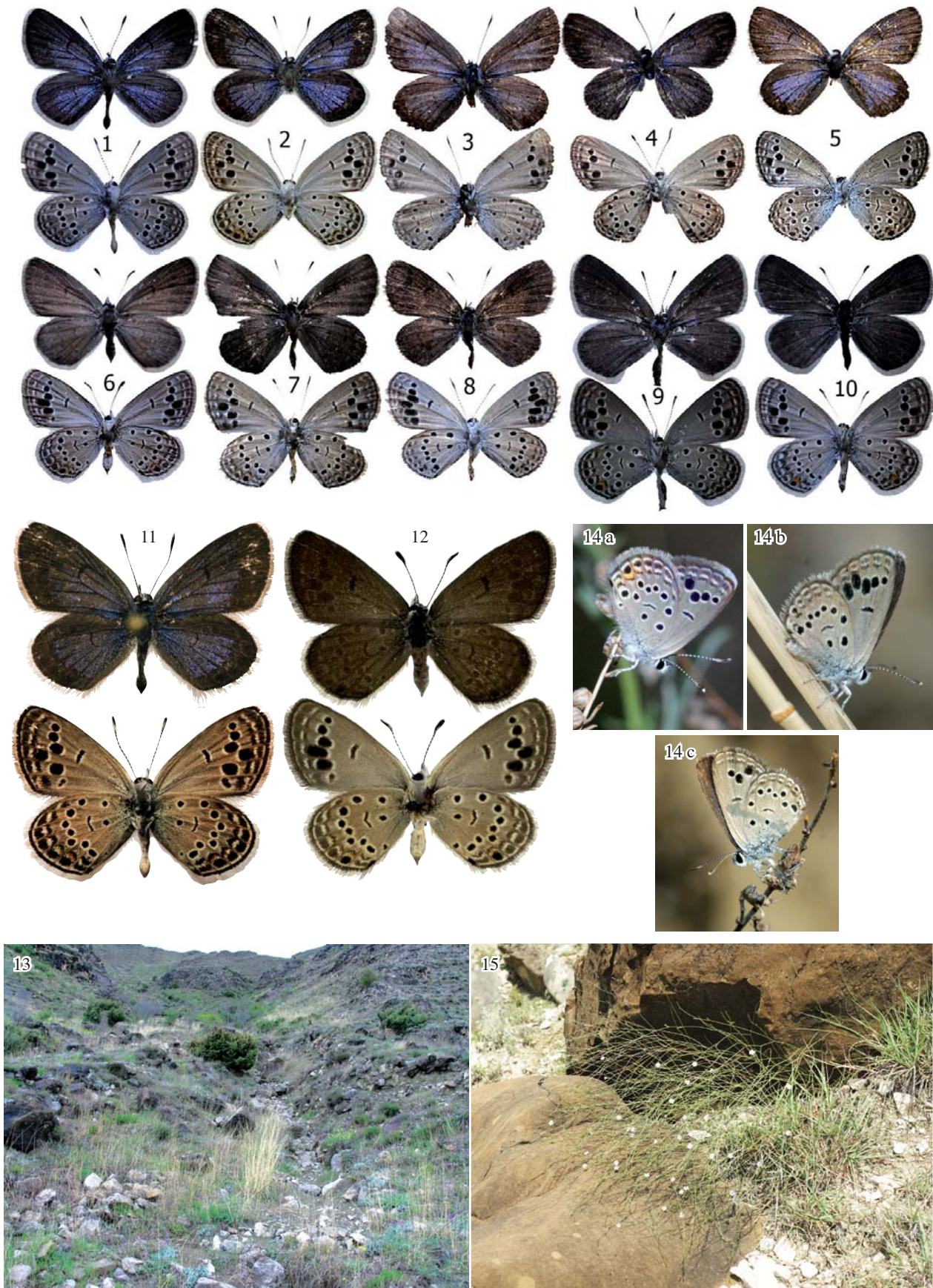


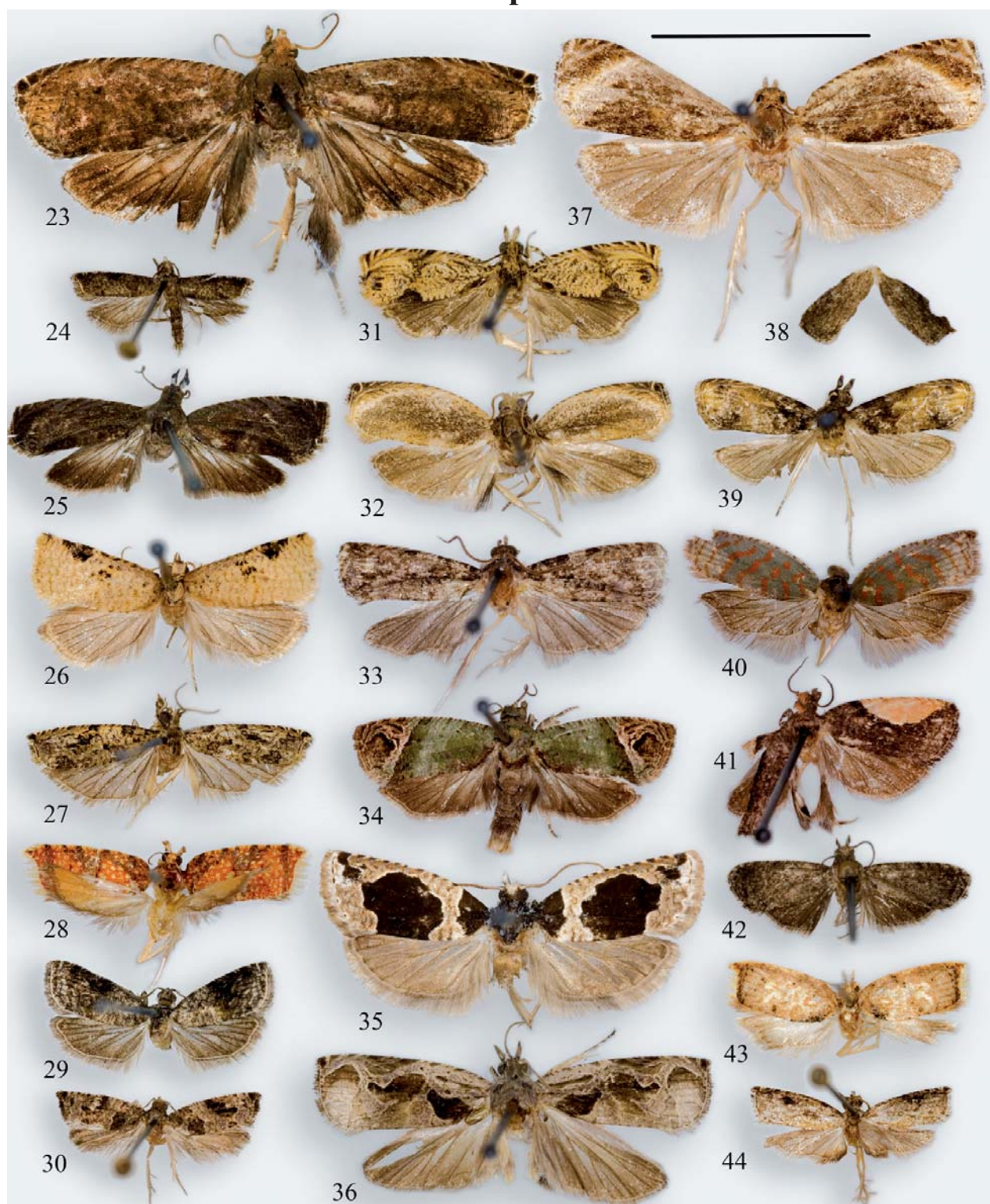
Fig. 1-14: *Turanana mystica* spec. nov., (1-10) type series, (11) holotype ♂, (12) allotype ♀, (13) habitat, (15) foodplant of the caterpillar, (14 a-c) 2 ♂♂, 1 ♀ resting. (14a) ♂, Russia, Daghestan, right coast of Andiyskoe Koyusu river, Tantari, 5.VI.2010; (14b) ♂, Russia, Daghestan, Tchirkata, left coast of Andiyskoe Koyusu river, 5.VI.2010; (14c) ♀, Russia, Daghestan, Tchirkata, left coast of Andiyskoe Koyusu river, 5.VI.2010 (photo by V. TIKHONOV).  
 Fig. 15: *Limoniopsis overenii*, the possible larval food-plant. Russia, Daghestan, right coast of Andiyskoe Koyusu river, Tantari, 5.VI.2010 (photo by V. TIKHONOV).

## Colour plate 7



Figs 1-22: Holotypes of KUZNETZOV's species (scale bar 1 cm). 1. *Sorolopha asymmetrana* KUZN., ♂. 2. *Drachmobola dentiuncana* KUZN., ♂. 3. *Grapholita arcuatana* KUZN., ♂. 4. *Spilonota albitegulana* KUZN., ♂. 5. *Bipartivalva aquilana* KUZN., ♂. 6. *Semnostola atrana* KUZN., ♀. 7. *Peridaedala biuncana* KUZN., ♂. 8. *Neopotamia armatana* KUZN., ♂. 9. *Rhopobota antecellana* KUZN., ♂. 10. *Neohermenias apertana* KUZN., ♂. 11. *Griselda blanditana* KUZN., ♂. 12. *Semniotes confinana* KUZN., ♂. 13. *Semnostola arquatana* KUZN., ♂. 14. *Semniotes bellana* KUZN., ♀. 15. *Statherotis diakonoffi* KUZN., ♂. 16. *Grapholita comanticosta* KUZN., ♂. 17. *Bubonoxena aspersana* KUZN., ♀. 18. *Rhopobota ancylodes* KUZN., ♂. 19. *Eucosma australis* KUZN., ♀. 20. *Ricula dubitana* KUZN., ♂. 21. *Herpystis assimulatana* KUZN., ♂. 22. *Sycacantha beatana* KUZN., ♂.

## Colour plate 8



Figs 23-44. Holotypes of KUZNETZOV's species (scale bar 1 cm). 23. *Grapholita magnana* KUZN., ♂. 24. *Herpystis mica* KUZN. (topotype), ♂. 25. *Parapammene longipalpata* KUZN., ♂. 26. *Mimeoclysis incomptana* KUZN., ♂. 27. *Rhopaltriplusia insignata* KUZN., ♂. 28. *Spatalistis dulcedana* KUZN., ♀. 29. *Noduliferola insuetana* KUZN., ♂. 30. *Gypsonoma infusca* KUZN., ♀. 31. *Tetramoera flavescens* KUZN., ♂. 32. *Dicnecidia fumidana* KUZN., ♂. 33. *Hoplitendemis inauditana* KUZN., ♂. 34. *Sorolopha ghilarovi* KUZN., ♂. 35. *Phaecasiophora maculosana* KUZN., ♂. 36. *Temnolopha abstrusana* KUZN., ♂. 37. *Phaecasiophora finitimana* KUZN., ♂. 38. *Leguminivora meridiana* KUZN., ♀. 39. *Eucosmomorpha figurana* KUZN., ♂. 40. *Archigraptis limacinoides* KUZN., ♂. 41. *Statherotmantis laetana* KUZN., ♂. 42. *Fulcrifera fulturana* KUZN., ♂. 43. *Trophocosta maculifera* KUZN., ♂. 44. *Eucoenogenes levatana* KUZN., ♂.

## Colour plate 9



Figs 45-67. Holotypes of KUZNETZOV's species (scale bar 1 cm). 45. *Penthostola tricolorana* KUZN., ♀. 46. *Rhopobota punctiferana* KUZN., ♂. 47. *Grapholita valens* KUZN., ♂. 48. *Neocalyptis sodaliana* KUZN., ♂. 49. *Peridaedala tonkinana* KUZN., ♂. 50. *Grapholita omittana* KUZN., ♂. 51. *Stathignatha novitana* KUZN., ♂. 52. *Fibuloides modificana* KUZN., ♂. 53. *Cydia obumbrana* KUZN., ♂. 54. *Cimeliomorpha nabokovi* KUZN., ♂. 55. *Theorica secunda* KUZN., ♂. 56. *Cydia tropicana* KUZN., ♀. 57. *Sycacantha obtundana* KUZN., ♂. 58. *Asymmetrarcha metallicana* KUZN., ♂. 59. *Homona superbana* KUZN., ♂. 60. *Rhopobota svetlanae* KUZN., ♀. 61. *Grapholita opulentica* KUZN., ♂. 62. *Grapholita orbiapex* KUZN., ♂. 63. *Eucoenogenes segregana* KUZN., ♂. 64. *Loxoterma perexiguana* KUZN., ♂. 65. *Acroclita nigrovenana* KUZN., ♂. 66. *Lepteucosma oxychrysoides* KUZN., ♂. 67. *Metacosma miratorana* KUZN., ♂.

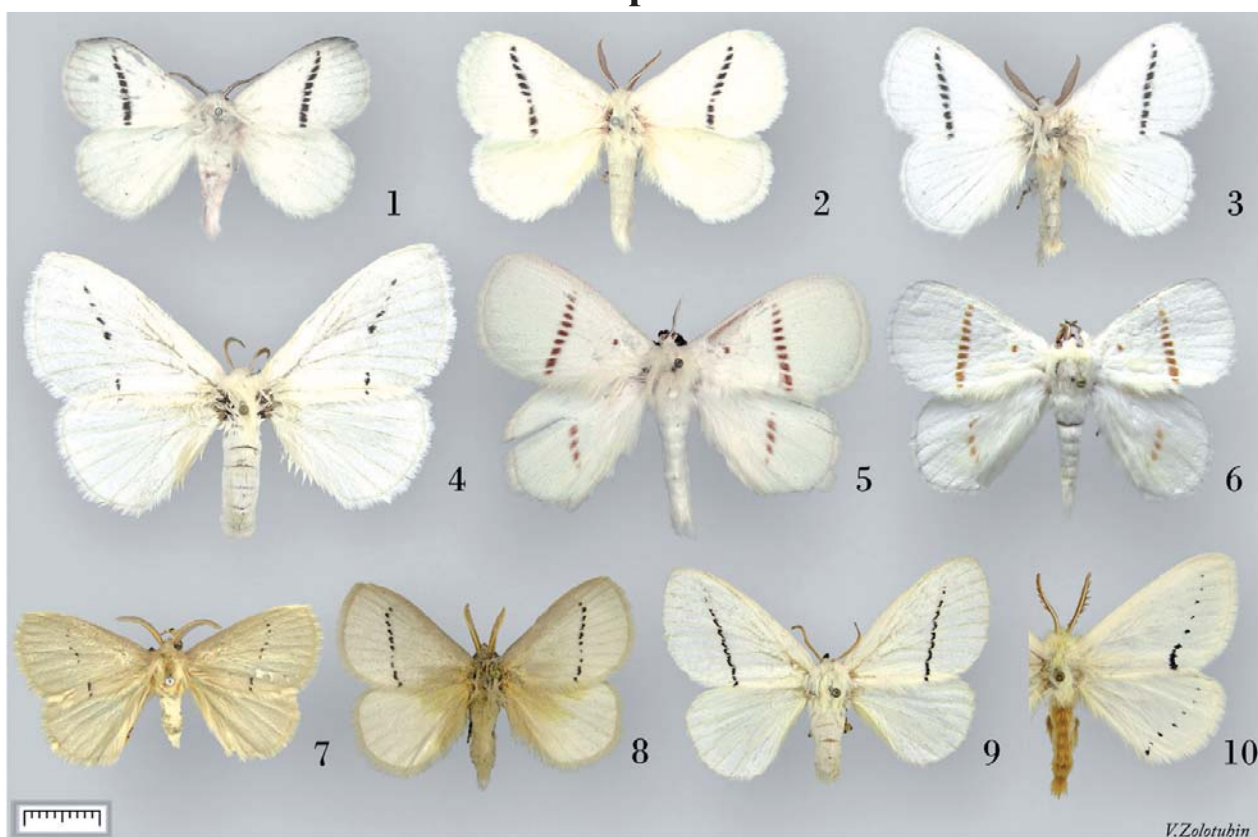
## Colour plate 10



1-4: *Aphendala unicolor* (MOORE, 1859), (1) ♂, MWM, southern India; (2) ♀, MWM, southern India.; (3) lectotype ♂ of *Aphendala transversata* WALKER, 1865; (4) lectotype ♂ of *Aphendala tripartita* MOORE, 1884. 5, 6: *A. cana* (WALKER, 1865), (6) ♂, (7) ♀, MWM, Pakistan, Margalla Hills. 7: *A. ferreogrisea* (HAMPSON, 1910), holotype ♂. 8: *A. conicosma* (WEST, 1937), holotype ♂. 9, 10: *A. recta* (HAMPSON, 1893), ♂♂, BMNH, Sri Lanka. 11, 12: *A. flavina* (HERING, 1931), (11) ♂, MWM, Pakistan: Kaghan valley; (12) ♀, MWM, Pakistan: Himalaya Mts. 13-15: *A. imitabilis* (HERING, 1931), (13) ♂, MWM, India: Darjeeling; (14) ♂, MWM, India: Kumaon-Himalaya; (15) ♀, MWM, India: Kumaon-Himalaya. 16: *A. buka spec. nov.*, holotype ♂. 17: *A. kalinin spec. nov.*, paratype ♂, MWM. 18: *A. siama spec. nov.*, holotype ♂. 19: *Neothosea suigensis* (MATSUMURA, 1931), ♂, MWM, Korea. 20: *Avatara onyx* SOLOVYEV & WITT, 2009, paratype ♂, MWM, northern Vietnam. 21, 22: *A. aperiens* (WALKER, 1865), (21) ♂, (22) ♀, BMNH, Sri Lanka. 23: *Raritheia phoceia* (HAMPSON, 1910), ♂, holotype.

Scale bar: 1 cm. Photos 2, 4-6, 9-11, 13-15, 21-23 are made by V. ZOLOTUHN.

## Colour plate 11

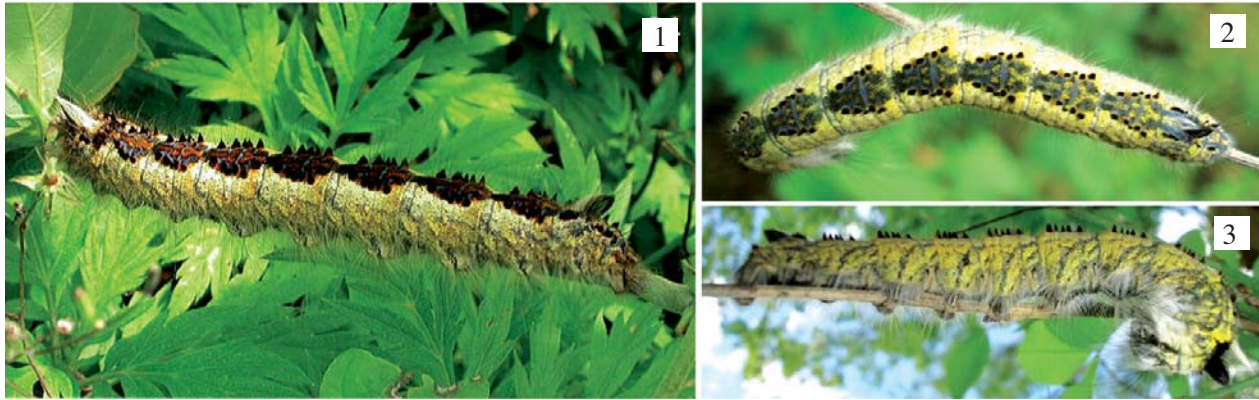


1-4: *Chionopsyche montana* AURIVILLIUS, 1909: (1) holotype ♂ (RMS); (2) ♂, Kilimandjaro, SjöSTEDT (RMS); (3) ♂, Kenya, Kibwezi, 700 m, leg. Dr. POLITZAR (MWM); (4) ♀, Kenya, South Ukambani, leg. Dr. POLITZAR (ZSM). 5-6: *Chionopsyche admirabile* spec. nov.: (5) holotype ♂ (RMCA); (6) paratype ♂ (MRAC). 7-9: *Chionopsyche grisea* AURIVILLIUS, 1914: (7) holotype ♂ (BMNH); (8) ♂, Somalia m., Caanole Fluß, leg. Dr. POLITZAR (ZSM); (9) ♀, Somalia m., Caanole Fluß, leg. Dr. POLITZAR (ZSM). 10: Eupterotidae: *Phiala* spec., ♂, Nigeria, Kaduna, leg. Dr. POLITZAR (ZSM). Scale bar 1 cm.

## Colour plate 12



## Colour plate 13



VADIM V. ZOLOTUHIN, V. V. & A. A. PEREKRASNOV: A review of the *Euthrix laeta* (WALKER, 1855) complex with description of a new species and two new subspecies (Lepidoptera, Lasiocampidae). Figs 1-3: Caterpillars of *Euthrix laeta sulphurea* (AURIVILLIUS, 1894). (1) Japan, Tsushima-Isl., Meboro, 24.VI. 2006 (photo: "yohbo"); (2, 3) Russia, Far East, Khabarovsk Region, Bikin District, 2 km S vill. Lesopilnoe, 3.VIII.2007, on *Lespedeza*, leg. et photo E. KOSHKIN.

### Legend to colour plate 12

ZOLOTUHIN, V. V. & A. A. PEREKRASNOV: A review of the *Euthrix laeta* (WALKER, 1855) complex with description of a new species and two new subspecies (Lepidoptera, Lasiocampidae).

- 1-3: *Euthrix laeta laeta* (WALKER, 1855), (1) lectotype ♀, Bangladesh, Sylhet (BMNH); (2) ♂, Nepal, Taplejung Area Shimbu (Pakora), 1615 m, 11.X.1994, leg. M. HREBLAY & T. CSOVARI (MWM); (3) ♀, Nepal, Annapurna Himal valley of Kall Gandaki, 1.300 m near Tatopani, 83°39'E, 28°29'N, 3.VI.1996, leg. Gy. M. LASZLO and G. RONKAY (MWM).
- 4-7: *Euthrix laeta sulphurea* (AURIVILLIUS, 1894), (4) ♂, Thailand, Changwat Nan 5 km E of Bo Luang 610 m, 23.XI.1998, leg. TIBOR CSOVARI & LASZLO MIKUS (MWM); (5) lectotype ♂, Amur (RMS); (6) ♂, Sasuna, Thushima is., 8.VIII.1975, leg. Y. KISHIDA (MWM); (7) ♀, Primorye, Slavianka, 1.IX.1993 (MWM).
- 8-11: *Euthrix laeta divisa* (MOORE, 1879), (8) holotype ♂ of *Cosmotriche purpurascens* HAMPSON, Ceylon, 91-95 (BMNH); (9) holotype ♀, Ceylon, (BMNH); (10) ♀, Ceylon, Kandy (BMNH); (11) ♂, Ceylon, Madulsima (BMNH).
- 12-14: *Euthrix laeta austrina* (DE LAJONQUIÈRE, 1978), (12) ♀, Borneo, Indonesien, Kalimantan, Salatan Prv., 30 km E Kandangan, 800 m, 15 km NE Loksado, XI.1997, leg. JAKL (MWM); (13) holotype ♂, Sumatra, Lebong Tandai, 1.-2.I.1922, leg. C. J. BROOKS (BMNH); (14) ♂, Borneo, Prov. Sabah, Mt. Trus Madi bei Apin Apin, 1080 m, 21.III.-12.IV.2006, leg. K. MARTINI (MWM).
- 15-17: *Euthrix laeta arina* **subspec. nov.**, (15) paratype ♀, Taiwan, Prov. Nan-Tou, 3 km S Hoshe, Ya-Shan Nat. Park, 1400 m, 16.X.1996, leg. GY. FABIAN & F. NEMEWS (MWM); (16) holotype ♂, Taiwan, Prov. Nan-Tou, 3 km S Hoshe, Ya-Shan Nat. Park, 1400 m, 16.X.1996, leg. GY. FABIAN & F. NEMEWS (MWM); (17): paratype ♂, Taiwan, Prov. Nan-Tou, 3 km E of Tili, 555 m, 120°58'E, 23°47'N, 16.XI.1996, leg. T. CSOVARI & C. SZABOKY (MWM);
- 18, 19: *Euthrix morra morra* **spec. nov.**, paratype ♀, Central Bali, Bedugul District, Tamblingan lakes, 1.200 m, 115°08'E, 08°14'S, XI.2004, leg. St. JAKL (MWM); (19) holotype ♂, Central Bali, Bedugul District, Tamblingan lakes, 1200 m, 115°08'E, 08°14'S, XI.2004, leg. St. JAKL (MWM).
20. *Euthrix morra floyana* **subspec. nov.**, holotype ♂, Java, Meru Betiri National Park, 25 km S Dorf Kalibaru, 300-500 m, V.-VI.1996 (GU-13.713, MWM).

## Colour plate 14



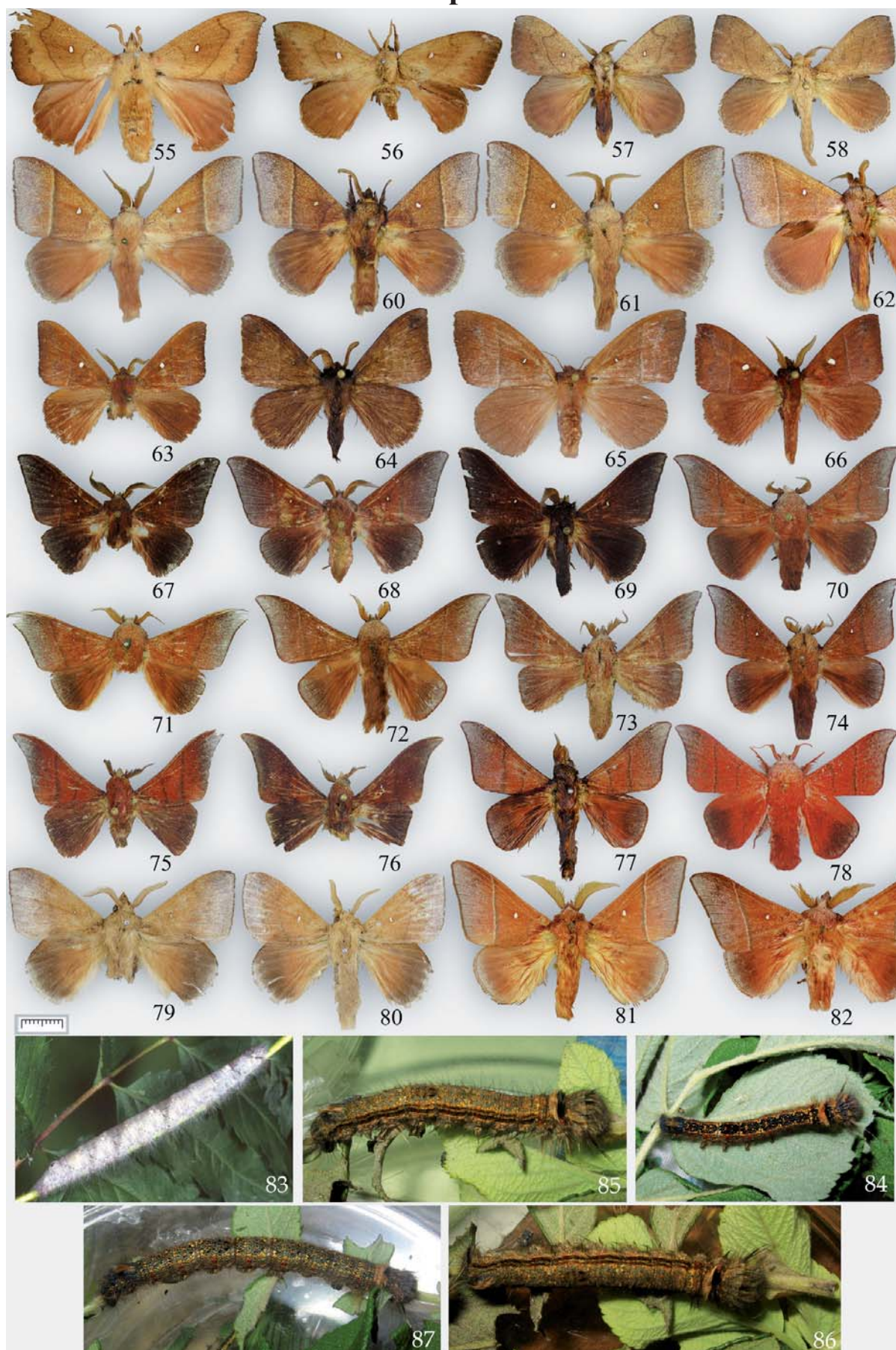
(1, 2) *Odonestis pruni pruni* (LINNAEUS, 1758); (3-6) *O. pruni rufescens* KARDAKOPFF, 1928; (7-9) *O. pruni oberthueri* TAMS, 1935; (10, 13, 14) *O. bheroba bheroba* MOORE, 1858-1859; (11, 12, 15, 18) *O. bheroba formosae* (WILEMAN, 1910); (16, 17, 19-21, 24) *Odonestis erectilinea erectilinea* (SWINHOE, 1904); (22, 23) *O. erectilinea frater* subsp. nov. More data in the text p.396.

## Colour plate 15



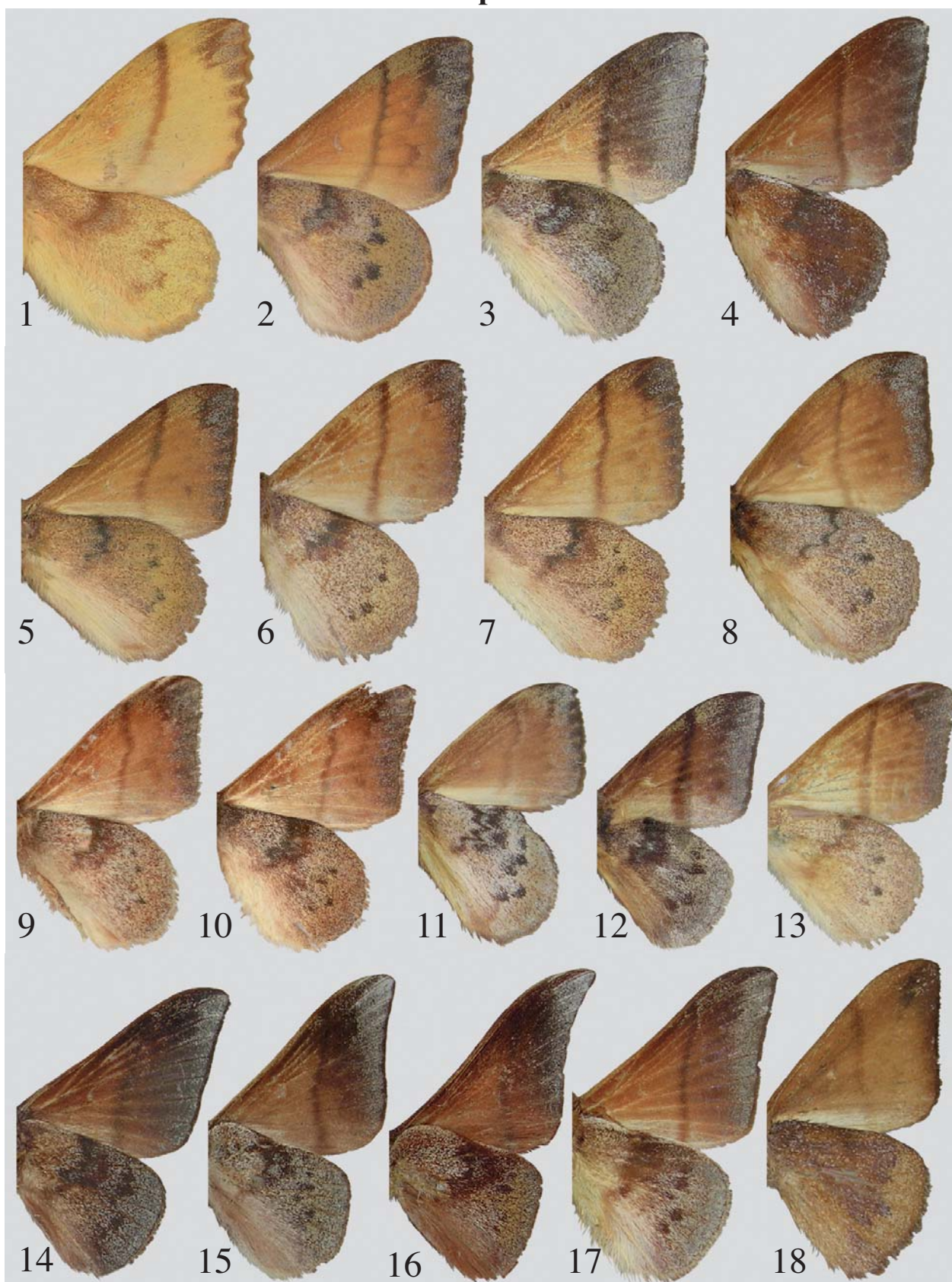
(25-28). *Odonestis kama* ZOLOTUHN & HOLLOWAY, 2006. (29, 30) *Odonestis gisla* ZOLOTUHN & HOLLOWAY, 2006. (31-34) *O. lipara* TAMS, 1935. (35-38) *Odonestis vita vita* MOORE, 1859. (39, 40) *O. vita brachyschalida* TAMS, 1935. (41, 42) *Odonestis vita indica* TAMS, 1935. (43-46) *O. filigranica* spec. nov.; (47, 48, 50) *O. ceylonica* TAMS, 1935 stat. nov.; (51-54) *O. leopoldi* TAMS, 1935. More data in the text p.396.

## Colour plate 16



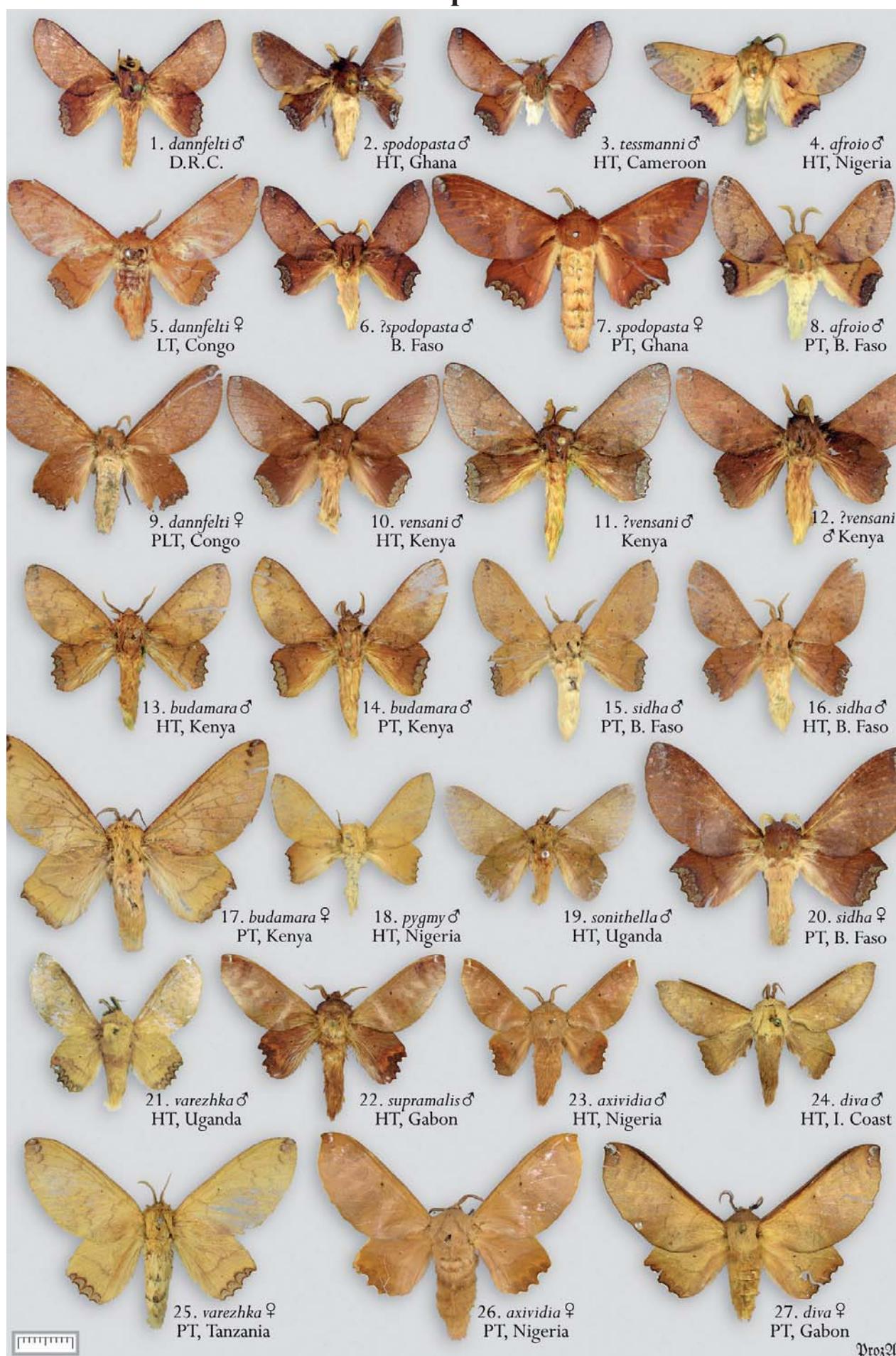
(55-58) *Odonestis angulata* (GRÜNEBERG, 1913); (59-62) *O. apo* ZOLOTUHIN, TREADAWAY & WITT, 1997; (63-66) *O. maya* ZOLOTUHIN & HOLLOWAY, 2006; (67-69) *O. vinacea* HOLLOWAY, 1990; (70-74) *O. schalicteta* TAMS, 1935; (75-78) *O. germari* spec. nov.; (79, 80) *O. pinatanai* ZOLOTUHIN, 2005; (81, 82) *O. ophioglossa* TAMS, 1935; (83) *O. pruni pruni* (LINNAEUS, 1758), mature caterpillar, Europe. (84-87) *O. bheroba bheroba* MOORE, 1858-1859: (84) L3 caterpillar, N. Vietnam (photo: S. PUGAEV); (85-86) L4 caterpillar, N. Vietnam (photo: S. PUGAEV); (87) mature caterpillar, N. Vietnam (photo: S. PUGAEV). More details in the text p.396.

## Colour plate 17



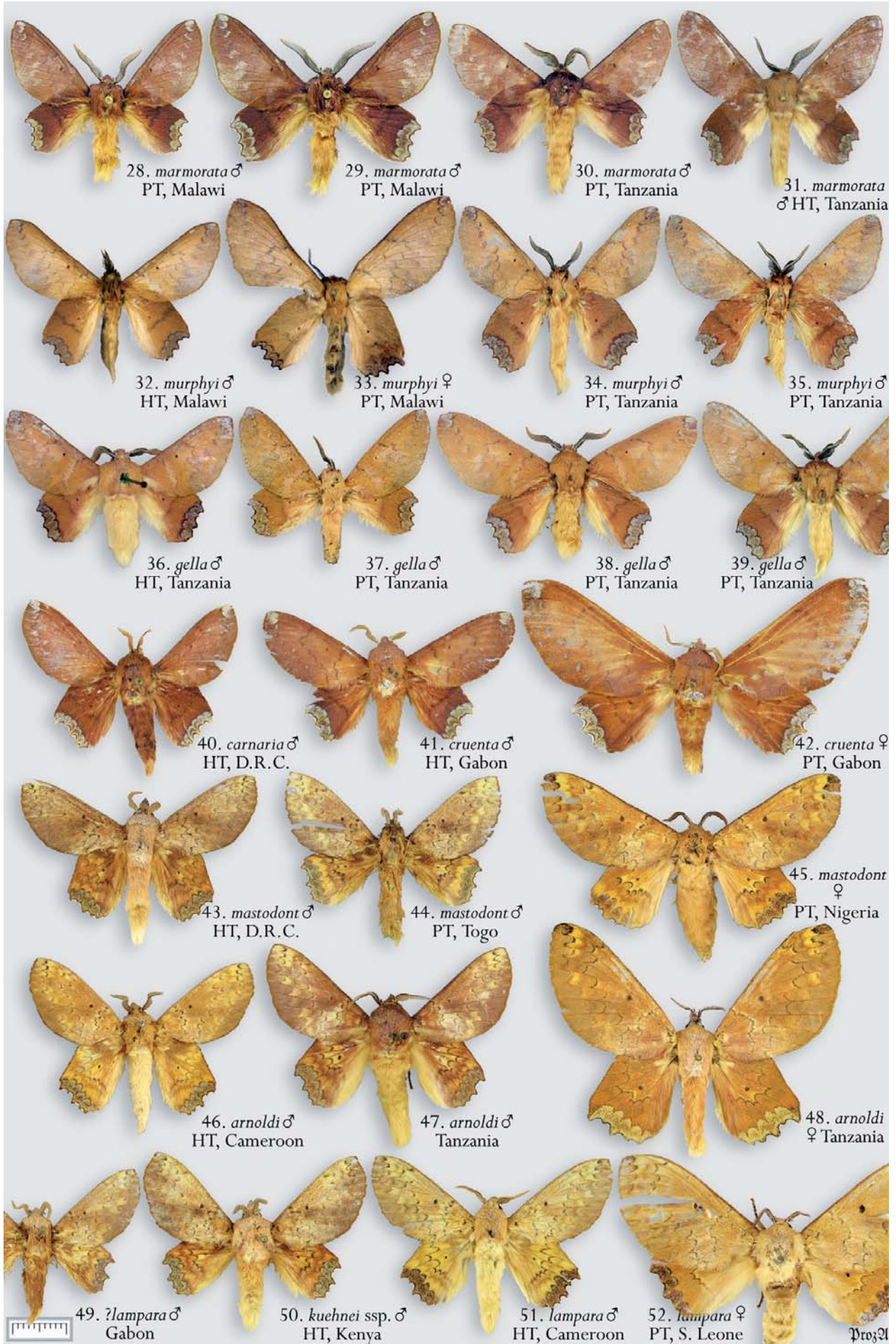
1-10: Under side of the wings of ♂♂: (1) *Odonestis pruni pruni* (LINNAEUS, 1758), Ukraine; (2) *Odonestis bheroba formosae* (WILEMAN, 1910), Taiwan; (3) *Odonestis erectilinea erectilinea* (SWINHOE, 1904), NE India; (4) *Odonestis lipara* TAMS, 1935, Malaysia, Borneo; (5) *Odonestis vita vita* MOORE, 1859, Java; (6) *Odonestis leopoldi* TAMS, 1935, Philippinen, Luzon; (7) *Odonestis filigranica spec. nov.*, Indien, Andaman Islands; (8) *Odonestis kama* ZOLOTUHIN & HOLLOWAY, 2006, Sulawesi; (9) *Odonestis ceylonica* TAMS, 1935 **stat. nov.**, Ceylon; (10) *Odonestis belli* TAMS, 1935 **stat. nov.**, Kanwar; (11) *Odonestis angulata* (GRÜNBERG, 1913), Malaysia, Borneo; (12) *Odonestis apo* ZOLOTUHIN, TREADAWAY & WITT, 1997, Philippinen, Mindanao; (13) *Odonestis gisla* ZOLOTUHIN & HOLLOWAY, 2006, Indonesien, Peleng Island; (14) *Odonestis vinacea* HOLLOWAY, 1990, Sumatra; 15: *Odonestis schalicteta* TAMS, 1935, Malaysia, Provinz Pahang; (16) *Odonestis germari spec. nov.*, Borneo; (17) *Odonestis ophioglossa* TAMS, 1935, Sumatra; (18) *Odonestis maya* ZOLOTUHIN & HOLLOWAY, 2006, Sulawesi.

## Colour plate 18



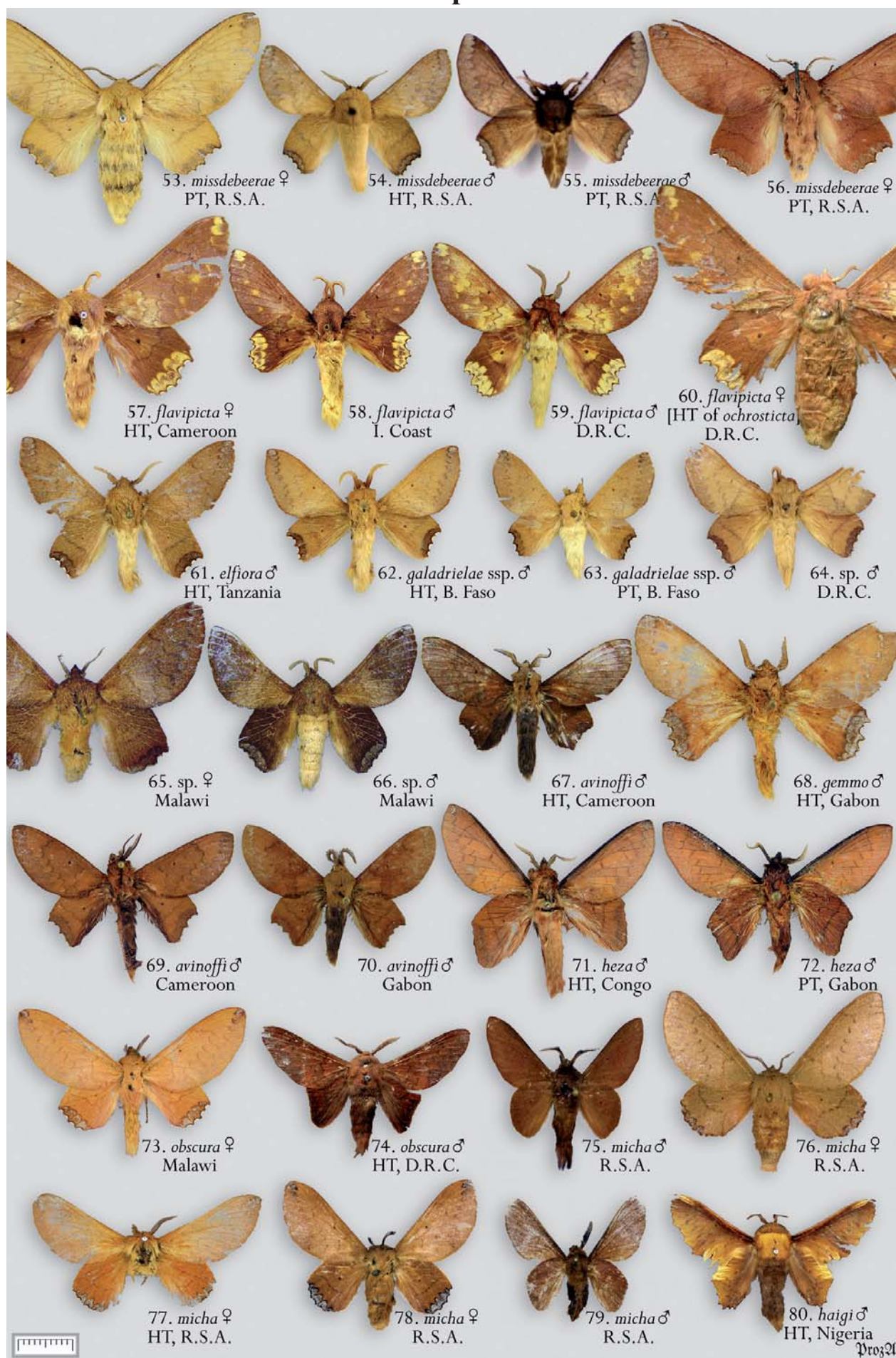
Legend see p. 433.

## Colour plate 19



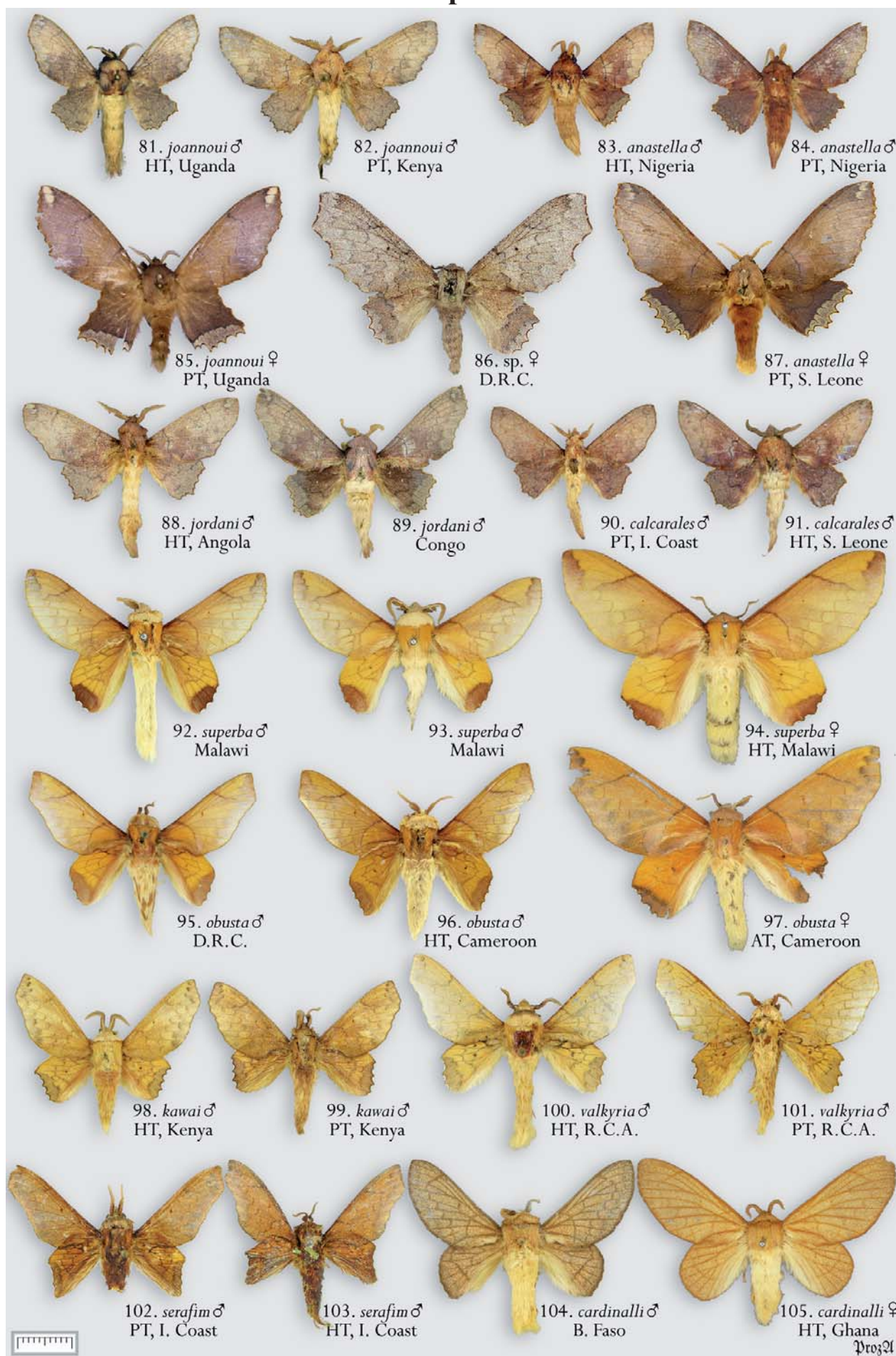
Legend see p. 433-434.

## Colour plate 20



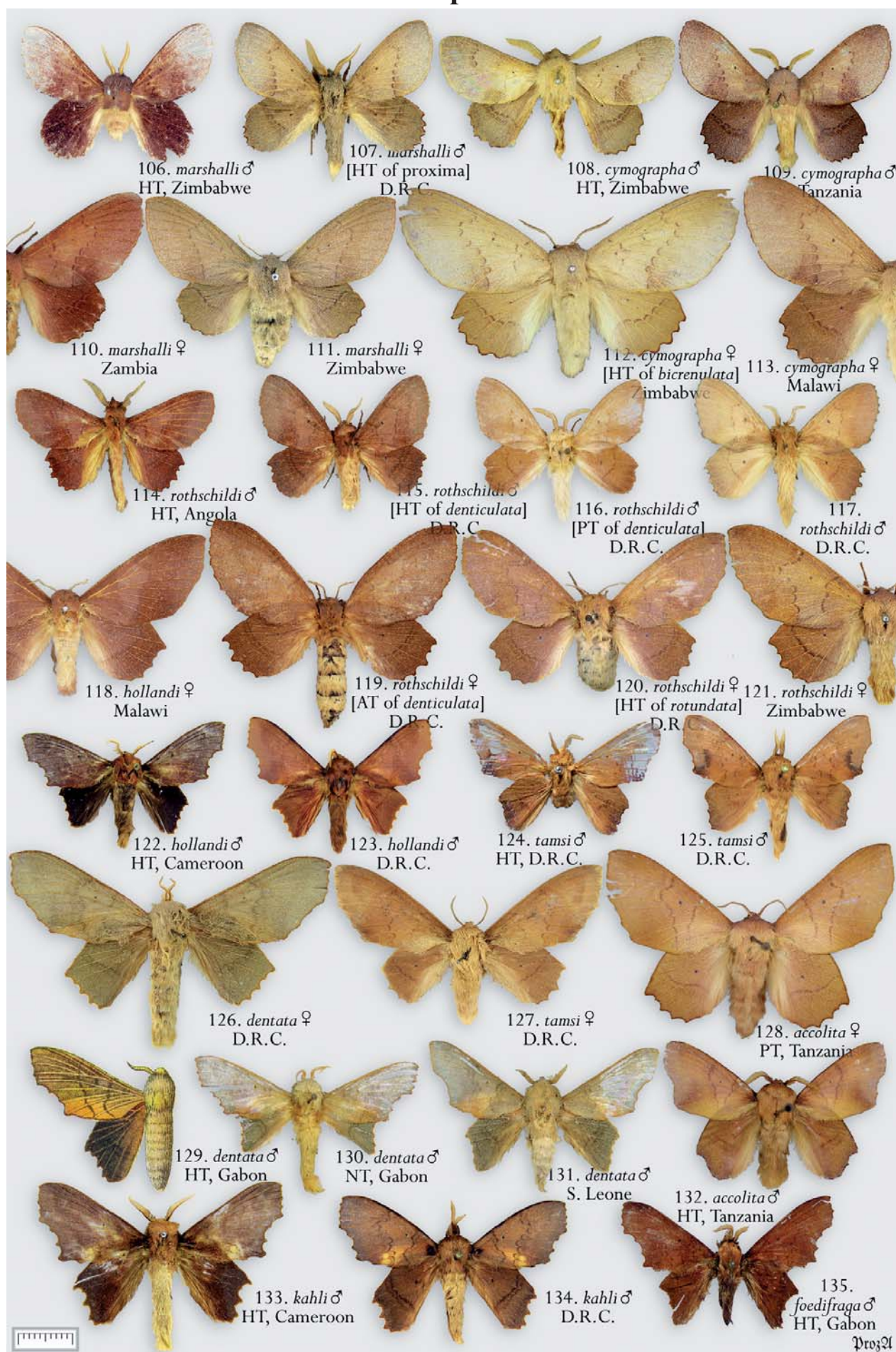
Legend see p. 434.

## Colour plate 21



Legend see p. 434-435.

## Colour plate 22



Legend see p. 435.

## Colour plate 23



Legend see p. 435.

## Farbtafel 24

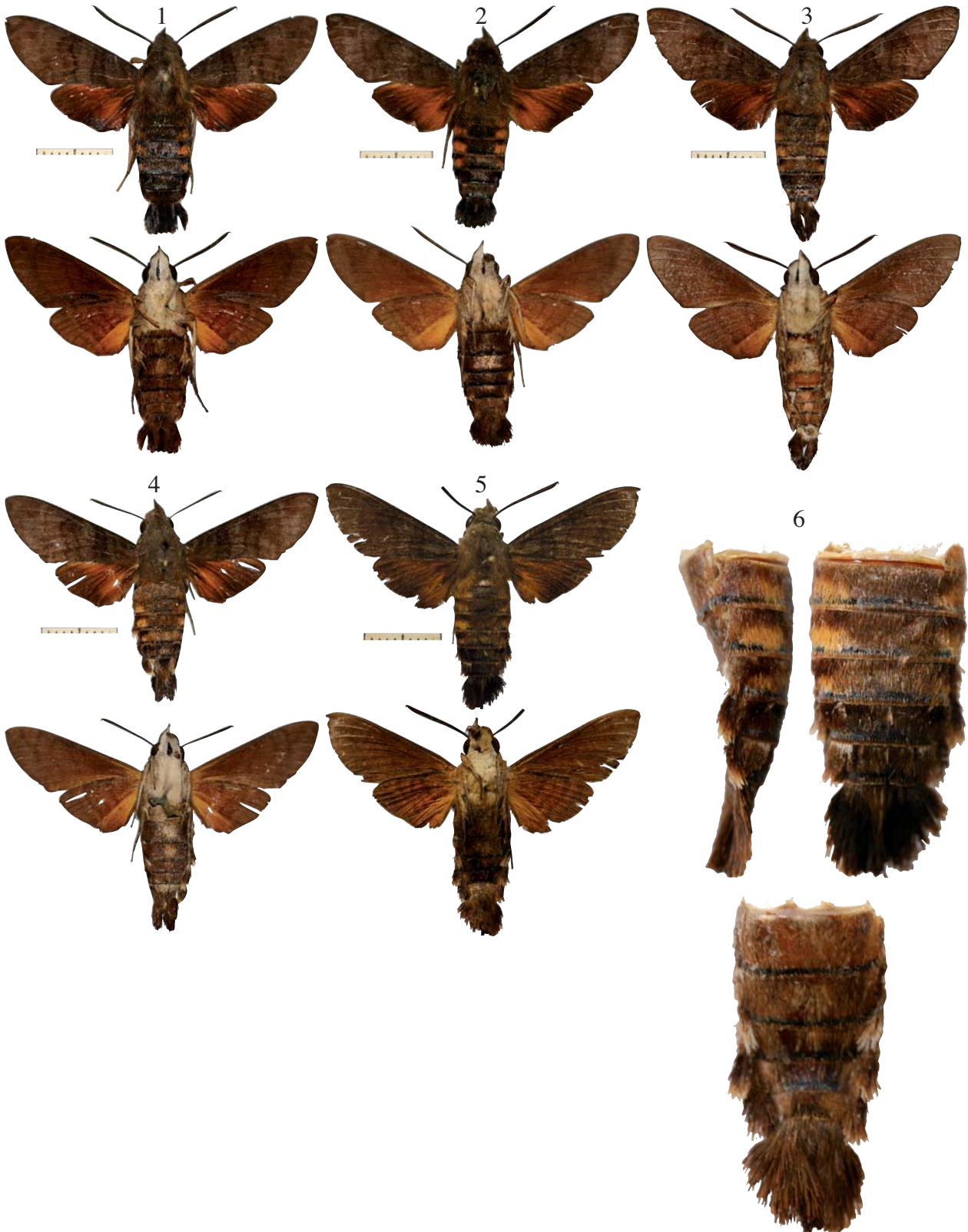


Abb. 1-6: *Macroglossum vacillans* WALKER, 1864, jeweils Ober- und Unterseite.

Abb. 1: ♂, Australia NT, 70 km SW of Mataranka, 15°19'S 132°50'E, 190 alt., 20.-22.12.2008, TOMÁŠ MELICHAR leg. et coll.

Abb. 2: ♂, Australia, NT, Litchfield N. P., Tjaynera Falls env., 20.-29.11.2008, 259 m, TOMÁŠ MELICHAR leg. et coll.

Abb. 3: GP 4865 ♂, *Macroglossum vacillans* WALKER, 1864, Australia NT, 70 km SW of Mataranka, 15°19'S 132°50'E, 190 alt., 20.-22.12.2008, TOMÁŠ MELICHAR leg. et coll.

Abb. 4: GP 4864 ♀, *Macroglossum vacillans* WALKER, 1864, Australia NT, 70 km SW of Mataranka, 15°19'S 132°50'E, 190 alt., 20.-22.12.2008, TOMÁŠ MELICHAR leg. et coll.

Abb. 5, 6: GP 5042 ♂, *Macroglossum vacillans* BUTLER, 1864, Indonesia. East Timor, Timor Island, 10 km N Coast, XI.[20]05, coll. TOMÁŠ MELICHAR. (6) Abdomen: lateral, dorsal, ventral.